

## WHAT IS A BIOMARKER?

### Definition of a biomarker

A biomarker is a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes or pharmacological responses to a therapeutic intervention.

*Proposed at the  
US National Institutes of Health Workshop 1998*

### The need for biomarkers

*The attrition rate during drug development is >80%*

- Blockbuster era terminated
- Heterogeneous patient population
- "one size" does not fit everyone
- Need for precision medicine

### Medical expenses escalating

- New innovative targeted but very expensive therapies are offered
- Increased ageing population - increased need for medical care
- Right patient for the right treatment at the right time

## JOIN THE DANISH BIOMARKER NETWORK

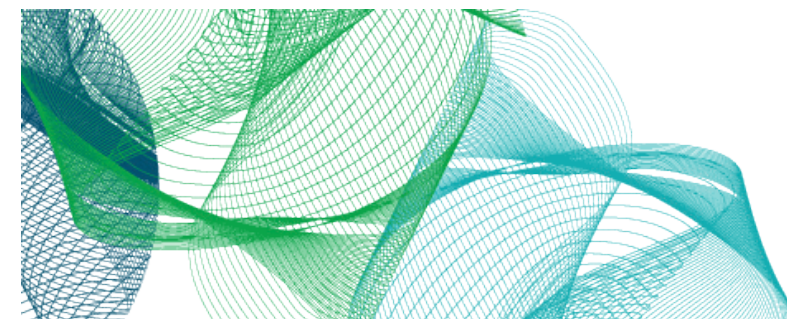
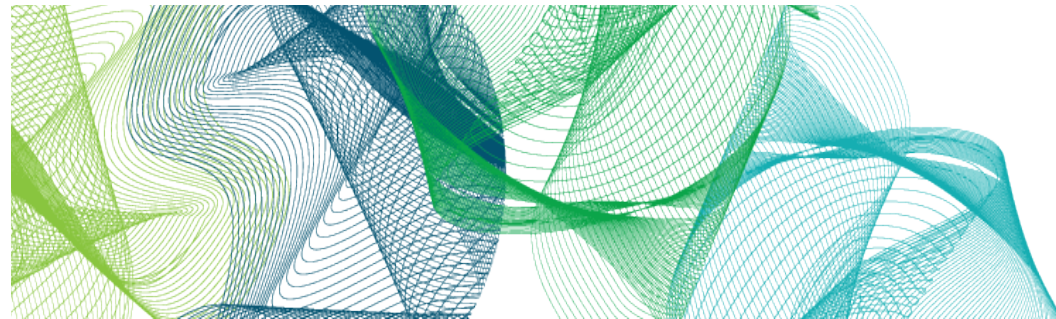
Established in 2015 by the Danish Society for Molecular Medicine, Bioneer and Biopeople to efficiently exploit the potential of biomarkers in the clinic and in the pharmaceutical industry through:

### The objective of the network is

- To link researchers and companies within biomarker research
- To create a forum for discussing Biomarker topics
- To create a network that spans the different scientific disciplines that relates to biomarker research
- To promote collaboration within biomarker research and development
- To facilitate the translation of biomarkers in to clinical use

### Development and validation of biomarkers requires:

- Multidisciplinary stakeholders: MD's, pharmacologists, molecular biologists, biostatisticians, patient representatives etc.
- Different technology platforms: ELISA; IHC; FISH; NGS; Bioimaging, MS, qPCR...
- Access to clinical samples: Biobanks, patient records/disease history. retrospective/prospective samples
- Data management/integration/validation: BIG DATA, de-central patient-monitoring
- Regulatory requirements



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## FREE FORUM FOR DISCUSSION AND NETWORKING

The Danish Biomarker Network is a free forum for discussion and network activities related to biomarker research and development.

The network aims at bridging the cross-disciplinary nature of the biomarkers field and facilitate networking in order to explore the potential for new innovations within biomarker development.

Check the website for information on activities and events.

Membership is free of charge and open to all interested parties.  
International members are most welcome.

Membership profile

